Listing of Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (currently amended) A modular orthopaedic implant system comprising:

a ~~first~~ distal femoral component having a pair of spaced, curved distal articulating surfaces~~surface~~, a proximal end opposite the distal articulating surfaces~~surface~~, an interior surface defining a tapered bore at the proximal end, the tapered bore being widest at the proximal end and extending distally from the proximal end, and an exterior surface spaced from the distal articulating surfaces~~surface~~, at least a portion of the exterior surface surrounding the tapered bore, the portion of the exterior surface surrounding the tapered bore being asymmetrical in at least one cross-section, the maximum dimension of the ~~first~~distal femoral component in the proximal-distal direction being the distance from the distal articulating surfaces~~surface~~ to the proximal end; and

a tapered metaphyseal component mountable to the proximal end of the ~~first~~distal femoral component;

wherein the tapered metaphyseal component has an outer surface including a plurality of steps, a proximal end and a distal end, the tapered metaphyseal component being widest at its distal end; and

wherein the tapered metaphyseal component includes a tapered post sized and shaped to be receivable within the tapered bore of the ~~first~~distal femoral component and to create a frictional lock between the distal femoral~~first~~ component and the tapered metaphyseal component, the tapered post extending outwardly from the distal end of the tapered

metaphyseal component and having a central longitudinal axis that extends through the proximal end of the metaphyseal sleeve.

2. (currently amended) The modular orthopaedic implant system of claim 1 wherein the ~~first component comprises a~~ distal femoral component ~~that~~ is sized and shaped to replace more than the distal 3 cm. of the native femur.

3. (withdrawn) The modular orthopaedic implant system of claim 1 further comprising a plurality of orthopaedic components having tapered bores sized and shaped to be received in and frictionally lock with the tapered bore of the first component.

4. (withdrawn) The modular orthopaedic implant system of claim 3 wherein at least one of the plurality of orthopaedic components comprises a segment sized and shaped to replace a portion of the shaft of a long bone.

5. (cancelled)

6. (currently amended) A modular orthopaedic implant system comprising:

a first component having a distal articulating surface, a proximal end opposite the distal articulating surface, an interior surface defining a tapered bore having an opening at the proximal end of the first component, the bore extending in a distal direction from the opening and being widest at the opening~~proximal end~~, and an exterior surface spaced from the articulating surface, at least a portion of the exterior surface surrounding the tapered bore, the

portion of the exterior surface surrounding the tapered bore being asymmetrical in at least one cross-section, the maximum proximal-distal dimension of the first component being the distance from the distal articulating surface to the proximal end; and

a tapered metaphyseal component mountable to the first component;

wherein the tapered metaphyseal component has an interior surface defining a distal tapered bore having a distal opening, the tapered bore being widest at the distal opening, the system further comprising an adapter for connecting the tapered metaphyseal component to the first component, the adapter having a longitudinal axis and a first tapered post ~~at one end~~ sized and shaped to be receivable within the tapered bore of the first component and to create a frictional lock between the first component and the adapter, the adapter further comprising a second tapered post ~~at the opposite end~~ sized and shaped to be receivable within the distal tapered bore of the tapered metaphyseal component and to create a frictional lock between the adapter and the tapered metaphyseal component, wherein the ~~posts are most narrow at the ends of the adapter~~ first and second tapered posts of the adapter are aligned along the longitudinal axis of the adapter and are widest between the ends of the adapter.

7. (previously presented) The modular orthopaedic implant system of claim 6 wherein the two tapered posts of the adapter are different from each other in size or shape, and wherein the two tapered posts are integral.

8. (withdrawn) The modular orthopaedic implant system of claim 1 wherein the tapered metaphyseal component has an interior surface defining an opening, the system further comprising:

a first stem extension having a distal end and a proximal end, the distal end being shaped and sized to be received in and mate with the opening of the tapered metaphyseal component;

a second stem extension having a distal end and a proximal end, the distal end of the second femoral stem extension being different from the distal end of the first femoral stem extension shape in size or shape;

an adapter for connecting the second femoral stem extension to the tapered metaphyseal component, the adapter having an end sized and shaped to be received in and mate with the opening of the tapered metaphyseal component, and the adapter opposite end having an opening sized and shaped to receive and mate with the distal end of the second femoral stem extension.

9. (withdrawn) The modular orthopaedic implant system of claim 8 wherein the distal end of the second stem extension is threaded.

10-23. cancelled

24. (currently amended) An orthopaedic implant system comprising:

a first implantable component having an articulating surface to replace a portion of a patient's bone;

a second implantable component;

the first implantable component having a tapered bore;

the second implantable component having a tapered bore differing from the tapered bore of the first implantable component in at least one characteristic:

an adapter for connecting the first implantable component to the second implantable component, the adapter having a central longitudinal axis and including two tapered posts, one of said tapered posts being at one end of the adapter and being sized and shaped to be received in and frictionally lock with the tapered bore of the first implantable component and the other of said tapered posts being at the opposite end of the adapter and being sized and shaped to be received in and frictionally lock with the tapered bore of the second implantable component, the two posts being most narrow at the ends of the adapter and being aligned along the central longitudinal axis of the adapter.

25. (original) The system of claim 24 wherein the first implantable component comprises a distal femoral component and the second implantable component comprises a tapered metaphyseal component.

26. (withdrawn) The system of claim 25 further comprising an implantable segment sized and shaped to replace a diaphyseal portion of a long bone, the implantable segment having a tapered post sized and shaped to be received in and frictionally lock with the tapered bore of the distal femoral component.

27-34 cancelled

35. (previously presented)The modular orthopaedic implant system of claim 1 wherein the tapered bore of the first component has a depth of at least 1 inch.

36. (previously presented)The modular orthopaedic implant system of claim 1 wherein the tapered bore of the first component has a depth of at least 1.3 inches.